

Graphing Circles – General Form: Day 3

Unit 7: Circles

For each of the following:

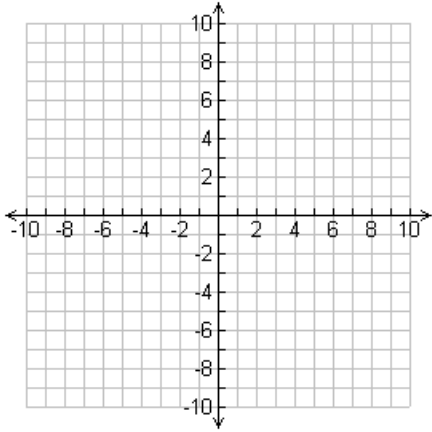
A. Write the equation in standard form.

B. Identify the center of the circle.

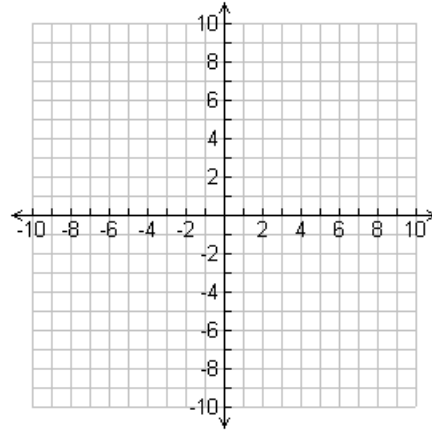
C. Identify the radius of the circle.

D. Graph the circle.

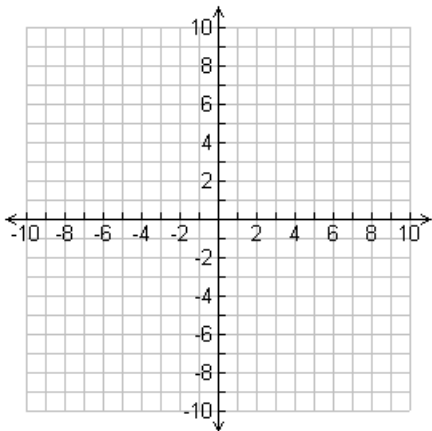
1. $x^2 + y^2 + 2x + 4y = 9$



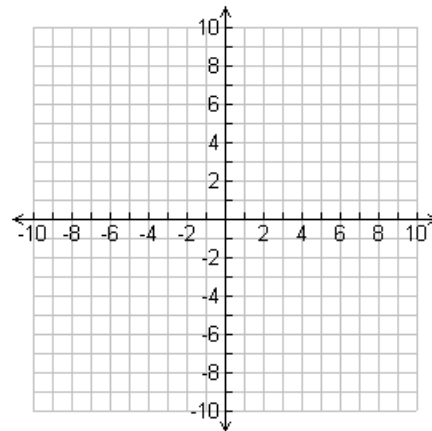
2. $x^2 + y^2 - 3x + 8y = 20$



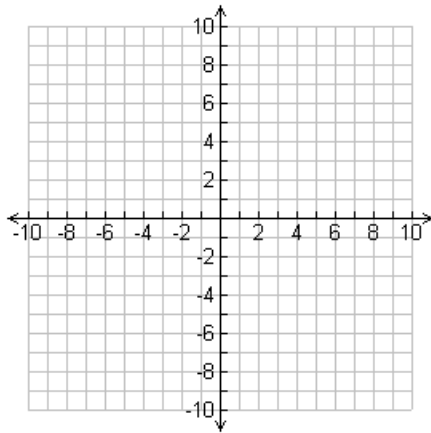
3. $x^2 + y^2 + 6y = -50 - 14x$



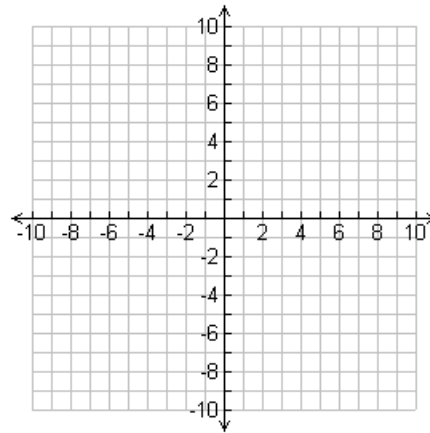
4. $x^2 - 18x + 53 = 18y - y^2$



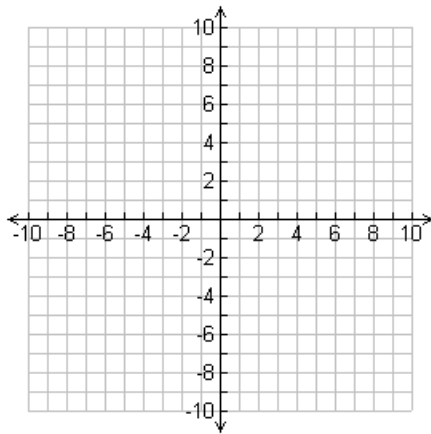
5. $2x^2 + 2y^2 - 4x + 8y = 32$



6. $3x^2 + 3y^2 - 6y + 12x = 24$



7. $x^2 + y^2 - 2x + 4y + 1 = 0$



8. $x^2 + y^2 - 10x - 6y + 18 = 0$

